

ABSTRACT

A battery unit having at least two pouch type secondary battery cells and a single safety device serving each cell in the battery unit. Each individual battery or cell body fits into a space within a casing. The battery unit may use one or more casings. The battery cells are arranged such that the terminals of different battery cells are located near the terminals of other battery cells within the unit. These terminals are connected to the safety device. The safety device may be a safety circuit board that is positioned in a space within the battery unit so that the battery unit does not consume any more space than when no safety circuit board is used.